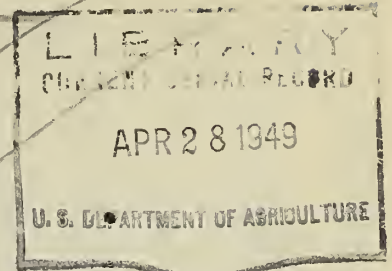


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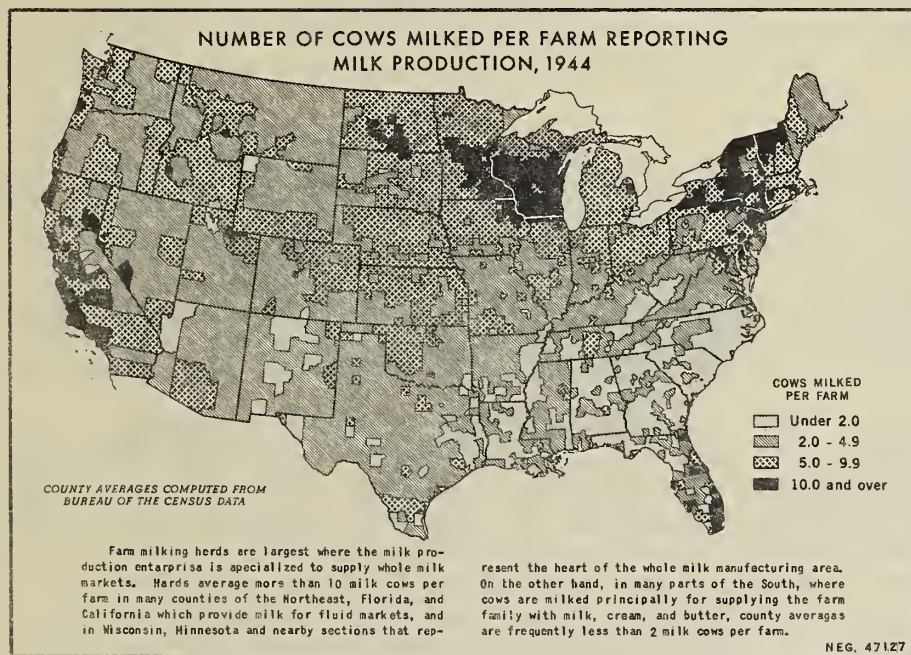
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UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF AGRICULTURAL ECONOMICS
CROP REPORTING BOARD



FARM PRODUCTION, DISPOSITION, AND INCOME FROM MILK, 1947-48



WASHINGTON, D. C.
APRIL 1949

Table 1 - Monthly milk production on farms, United States 1929-49 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly total
Million pounds													
1929	7,187	6,860	8,067	8,543	10,047	10,562	10,027	8,800	7,642	7,335	6,811	7,107	98,988
1930	7,371	7,051	8,253	8,723	10,386	10,766	9,725	8,413	7,522	7,466	7,091	7,391	100,158
1931	7,798	7,417	8,519	9,048	10,580	10,683	9,663	8,643	7,798	7,737	7,427	7,716	103,029
1932	7,951	7,784	8,625	8,854	10,504	10,701	9,777	8,739	7,974	7,810	7,369	7,722	103,810
1933	7,983	7,532	8,580	8,989	10,665	10,675	9,973	9,167	8,192	7,941	7,417	7,648	104,762
1934	7,652	7,144	8,272	8,760	10,182	10,477	9,796	9,004	8,160	7,835	7,185	7,154	101,621
1935	7,084	6,690	7,823	8,440	10,222	10,991	10,384	9,402	8,258	7,702	7,003	7,206	101,205
1936	7,292	7,159	8,244	8,807	10,507	10,948	9,893	8,695	8,049	8,090	7,322	7,404	102,410
1937	7,388	6,899	8,041	8,560	10,466	10,955	10,323	9,192	8,071	7,735	6,981	7,297	101,908
1938	7,438	7,089	8,443	9,120	10,881	11,226	10,581	9,545	8,445	8,073	7,396	7,570	105,807
1939	7,807	7,411	8,725	9,195	10,903	11,277	10,498	9,515	8,394	7,945	7,433	7,689	106,792
1940	7,841	7,688	8,881	9,308	10,918	11,641	10,710	9,681	8,761	8,389	7,731	7,953	109,502
1941	8,349	7,933	9,223	9,893	11,684	12,028	11,227	10,272	9,225	8,813	8,174	8,447	115,268
1942	8,719	8,268	9,608	10,250	12,075	12,505	11,731	10,722	9,458	8,896	8,182	8,470	118,884
1943	8,766	8,373	9,712	10,208	11,855	12,529	11,725	10,530	9,230	8,673	7,960	8,224	117,785
1944	8,590	8,575	9,690	10,135	11,847	12,373	11,520	10,251	9,236	8,961	8,285	8,529	117,992
1945	8,801	8,429	9,925	10,625	12,358	12,908	12,214	11,014	9,615	9,050	8,240	8,325	121,504
1946	8,564	8,212	9,713	10,440	12,206	12,578	11,927	10,838	9,435	8,985	8,293	8,522	119,713
1947	8,889	8,456	9,809	10,385	12,134	12,816	12,082	10,569	9,224	8,780	7,906	8,015	119,065
1948	8,290	8,126	9,190	9,884	11,702	12,176	11,514	10,511	9,124	8,748	8,031	8,215	115,511
1949	8,671	8,276	9,558										

1/ Estimates based on national indications of milk production and utilization. Subject to revision when data for all individual States become available.

Table 2 - Total supply and utilization of milk in the United States 1938-48

	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948 1/
Million pounds											
Milk production											
By cows on farms.....	105,807	106,792	109,502	115,268	118,884	117,785	117,992	121,504	119,713	119,065	115,511
Total 1/	108,633	109,618	112,328	118,094	121,710	120,611	120,818	124,330	122,539	121,891	118,337
Utilization (milk equivalent)											
Manufactured in plants											
Creamery butter											
Total	36,191	36,167	37,349	38,077	35,938	34,460	30,620	28,065	24,145	27,440	25,050
From whey cream	506	495	548	665	775	698	713	780	772	826	770
Net	35,685	35,672	36,801	37,412	35,163	33,762	29,907	27,285	23,373	26,614	24,280
Cheese											
American	5,697	5,459	6,115	7,612	9,247	7,743	8,090	8,777	8,058	9,386	8,590
Other	1,553	1,632	1,747	1,945	1,874	2,179	2,045	2,346	2,894	2,341	2,330
Canned milk											
Evaporated	4,490	4,636	5,266	7,023	7,592	6,594	7,384	8,147	6,567	6,899	7,390
Sweetened condensed	91	76	137	268	147	278	330	339	269	389	310
Bulk condensed milk											
Unsweetened	314	260	312	278	307	249	289	310	237	424	510
Sweetened	103	119	165	172	163	145	138	167	151	179	110
Dry whole milk											
162	185	223	347	474	1,052	1,355	1,650	1,421	1,250	1,310	
Frozen dairy products											
Ice cream, total	4,185	4,519	4,712	5,754	6,795	5,177	5,354	5,788	9,595	8,735	7,900
Other 2/, total						199	202	268	108	105	110
Fat from other products 3/	875	951	982	1,214	1,457	826	859	926	1,507	1,346	1,220
Net from milk and cream	3,310	3,568	3,730	4,540	5,338	4,550	4,697	5,130	8,196	7,494	6,790
Other manufactured products 4/											
42	54	54	63	94	196	514	720	552	518	520	
Total factory products 5/	51,447	51,661	54,550	59,660	60,399	56,748	54,749	54,871	51,718	55,494	52,140
Used for farm butter											
9,173	8,653	8,129	7,967	7,365	6,851	6,608	6,755	6,630	6,268	5,928	
Consumed as milk or cream											
In cities and villages	32,408	33,056	33,519	34,863	37,650	41,000	43,000	46,000	47,000	45,000	44,500
On farms where produced	11,950	12,167	12,063	12,020	11,856	11,615	11,685	11,671	12,318	12,295	12,306
Fed to calves											
2,850	2,967	2,994	3,124	3,294	3,276	3,270	3,335	3,255	3,228	3,097	
To balance 6/											
805	1,114	1,073	460	1,146	1,121	1,506	1,698	1,618	-394	366	

1/ Includes an allowance of 2,826 million pounds for milk produced by cows not on farms, the same as in 1930 when information on this item was last obtained. 2/ Milk sherbet and ice milk. Not available prior to 1943.

3/ Milk equivalent of butter and condensed milk used in ice cream. 4/ Includes dry cream, malted milk, dry part skim milk, dry ice cream mix and, for 1946 and later years, whole milk equivalent of the fat in cottage cheese.

5/ Includes net milk equivalents on butter and frozen dairy products to avoid double counting of milk from which fat was reused in making a second dairy product. 6/ Residual, including miscellaneous minor uses; net imports, exports and year-end carry-over of milk and cream; as well as any inaccuracies of independently determined use estimates.

7/ Preliminary.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF AGRICULTURAL ECONOMICS
WASHINGTON, D. C.

FARM PRODUCTION, DISPOSITION, AND INCOME FROM
MILK, 1947-48 ^{1/}

SUMMARY

Milk production on United States farms in 1948 totaled 115.5 billion pounds, the smallest in seven years. According to estimates of the Bureau of Agricultural Economics, the number of milk cows on farms was the lowest since 1930, but production per cow set a new high record. Production of farm-churned butter continued to decline, but was still relatively important in the South. Farmers' marketings of milk, cream, and farm-churned butter in 1948 represented about 3 billion pounds less milk than in 1947. However, prices received by farmers set a new record high, with returns per 100 pounds of milk utilized in products sold averaging 13 percent higher than in 1947.

Cash receipts from farm marketings of dairy products in 1948 totaled 4.4 billion dollars, about 10 percent more than in any previous year. Sale of whole milk to plants and dealers provided about three-fourths of farmers' cash returns from all dairy products. Gross farm income from milk in 1948 totaled 5.3 billion dollars, including cash receipts from farm marketings, and some 861 million dollars worth of milk, cream, and home-made butter consumed by families on farms where produced. Of the total milk produced in the United States in 1948, about 44 percent was processed into manufactured dairy products in factories, about 38 percent was consumed as fluid milk and cream in cities and villages, about 10 percent was consumed in fluid form on farms, about 5 percent was used for farm-churned butter, and the remaining 3 percent went for miscellaneous minor uses.

Milk production down in 1948

Milk production in 1948 was about 3 percent less than the 119.1 billion pounds produced in 1947. Production was the lowest since 1941, although well above that of any year prior to World War II. Production per cow in 1948 reached a new high, averaging 5,036 pounds of milk and 201 pounds of butterfat for the country as a whole. Numbers of milk cows on farms during 1948 were down to 22.9 million head, the smallest since 1930. Estimates of annual numbers of milk cows, production of milk and butterfat per cow, and total production of milk and butterfat are shown in table 3 for the United States from 1924 to date, and are shown by States in tables 5 and 7 for 1947 and 1948.

Production of farm-churned butter in 1948 is estimated at 298,520,000 pounds, about 17 million pounds less than in 1947. Butter production on farms has been declining fairly steadily since the turn of the century, decreasing more than 50 percent in the 25 years for which annual estimates are available. However, farm-churned butter is still relatively important in the South where herds are small and many milk cows are kept primarily to provide dairy products for the farm family. About 70 percent of the Nation's total farm-churned butter is produced in the 13 States from Virginia and Kentucky southward and westward through Texas. In this group of States the amount of butter made on farms in 1948 was more than twice as great as the amount churned in dairy manufacturing plants. Texas, with 30 million pounds of farm-churned butter, led all States. Alabama ranked next with 28.8 million pounds and North Carolina was third with 22.5 million pounds. In the more important farm butter States, production in 1948 was rather generally below that in 1947.

^{1/} Prepared by John L. Wilson and Frank M. Taylor, Agricultural Statisticians, under the general direction of B. H. Bennett, Head, Division of Dairy Statistics.

The amount of milk used in 1948 on farms where produced is estimated at 20.4 billion pounds -- about 2 percent less than in 1947, but fairly close to the generally stable level of recent years. Of this farm-used milk, 12.3 billion pounds were consumed by farm families as fluid milk or cream, 5.0 billion pounds were consumed as farm-churned butter, and 3.1 billion pounds were fed to calves. In comparison with 1947, there was little change in farm consumption of fluid milk and cream but 4 percent less milk was fed to calves and 5 percent less was consumed as farm butter.

Smaller farm marketings of milk and cream

Whole milk, cream, and farm-churned butter sold from farms in 1948 utilized about 95.1 billion pounds of milk, about 3 billion pounds less than in 1947. Of this, some 69.6 billion pounds were delivered as whole milk to plants and dealers; 19.7 billion pounds were skimmed on farms for delivery to plants as cream; 4.9 billion pounds were retailed by farmers direct to consumers; and 0.9 billion pounds were used in farm-churned butter for sale. The volume of milk in each category was less than in 1947, with decreases ranging from 2 percent for milk sold to plants and dealers to 8 percent for milk used for farm butter sold.

In Minnesota, deliveries of whole milk to plants and dealers were 9 percent below those in 1947, while in a number of other important milk-selling States, including Wisconsin, New York, Illinois, Indiana, and California, they were down from 2 to 4 percent. On the other hand, in Ohio, Pennsylvania, Missouri, and several Southeastern States farmers sold somewhat more milk to plants than in 1947. In the West North Central region, the most important cream-selling area, 13.0 billion pounds of milk were skimmed for sale as cream in 1948, in comparison with 13.9 billion pounds in 1947. The greatest decreases were in Iowa, North Dakota, and Nebraska.

Farmers' retail sales of milk and cream direct to consumers have been declining steadily since 1934. For all regions and nearly all States the 1948 volume was less than in 1947. Recent extension of pasteurization laws in several States has tended to discourage sales by small producer-distributors. National estimates of farmers' disposition of milk from 1924 through 1948 are shown in table 3 and estimates by States for 1947 and 1948 are shown in tables 5 and 7.

Value of milk products sold by farmers reaches new high

In 1948 the cash received by farmers from marketings of dairy products set a new high record of \$4,432,986,000. These receipts represent the combined value of the milk, cream, and farm-churned butter sold by farmers, but do not include income from sale of cattle and calves from their milking herds which totaled probably about 1-3/4 billion dollars. On a milk equivalent basis, the volume of milk products sold in 1948 was the smallest since 1941, but average prices received by farmers were substantially above those in any previous year. The value of the dairy products sold in 1948 was about 10 percent greater than in 1947 and about three times as great as in the 1936-40 period. The high level of cash returns to farmers for dairy products sold is, of course, not necessarily an indication of the level of net returns from milking herds, since production expenses in 1948 were also very high.

Whole milk sold by farmers to plants and dealers in 1948 provided about three-fourths of the cash returns from all milk products sold. The 69½ billion pounds of milk sold to plants brought an average price of \$4.86 per hundred pounds and a total cash return to farmers of \$3,378,318,000. The value of the milk sold set a new high record, even though the volume marketed was smaller than in the 1945-47 period. Whole milk sold by farmers to plants and dealers is used by processors for bottling and fluid distribution as milk or cream, for manufacture into such whole milk products as cheese, evaporated milk, and dry whole milk, as well as for skimming in dairy plants to make ice cream, butter, and skim milk products. Data on the quantity and value of dairy products sold by United States farmers in the 1924-48 period are shown in table 4.

Sales of farm-skimmed cream to dairy plants, used principally for making butter, totaled 742 million pounds of butterfat in 1948, the smallest quantity marketed by farmers in a quarter century. The price of 79.7 cents received per pound of butterfat, however, was a record high and the value of the cream sold totaled \$591,805,000, a new high. The previous record income from sale of cream was the \$574,259,000 received in 1929 when a much larger quantity of cream was skimmed on farms. Farmers' returns from milk and cream retailed to consumers in 1948 totaled \$432,934,000. The volume of milk retailed was the smallest in records dating back through 1924, but the price of 18.8 cents per quart was substantially above that of any previous year. Sales of farm-churned butter in 1948 totaled 44,778,000 pounds, and, at 66.8 cents per pound, brought producers a total return of \$29,929,000, somewhat less than in 1947. Income from the sale of farm-churned butter was less than half as much as in the middle 1920's.

Wisconsin tops all States

Wisconsin, as usual, led the Nation in farm returns from milk and milk products sold. In that State, 1948 cash received from sale of milk, cream, and farm butter totaled 579 million dollars, or about 13 percent of the Nation's total farm income from dairy products. New York was the second ranking State with 400 million dollars, followed by Pennsylvania and California with 277 million dollars each, and Minnesota with 261 million dollars. Receipts from sale of whole milk to plants and dealers were likewise highest in Wisconsin with 561 million dollars, followed by New York with 366 million dollars and California with 245 million dollars.

Iowa led all States in the income from sale of farm-skimmed cream with a total of 125 million dollars. Minnesota ranked second in farm returns from cream with a value of sales totaling 103 million dollars in 1948. North Dakota, Nebraska, and Kansas were also important cream-selling States with farm receipts from this source ranging between 34 and 39 million dollars. Returns from retail sales of milk and cream by farmers were highest in Pennsylvania with 40 million dollars, followed by New York and California. Texas farmers received about 4 million dollars from sales of farm-churned butter, more than those in any other State. State data on the quantity and value of dairy products sold by farmers in 1947 and 1948 are shown in tables 6 and 8.

Value of farm-consumed dairy products high in South

The value of the milk, cream, and farm butter consumed in households on farms where produced totaled 861 million dollars in 1948. The value of the products consumed on farms in each State is computed by multiplying the milk equivalent represented in the products by the average returns per hundred pounds of milk in dairy products sold in that State. In Southern States, where the farm population is large and much farm-churned butter is consumed, values of farm-consumed dairy products were highest. In Texas, the value of milk, cream, and farm butter consumed on farms where produced totaled 88 million dollars. Alabama with 50 million dollars and North Carolina with 49 million dollars were next in rank, followed by Tennessee with 41 million dollars and Georgia with 39 million dollars.

The National gross farm income from milk, including the cash receipts from milk, cream, and farm butter sold together with the value of dairy products consumed on farms where produced, totaled \$5,293,613,000 in 1948. This was the largest gross income from dairy products on record and more than double that for any year prior to 1942. In gross income, Wisconsin ranked first among the States followed by New York, Pennsylvania, California, and Minnesota.

For the milk utilized in the milk, cream, and butter sold from farms in 1948, producers received an average return of \$4.66 per 100 pounds compared with \$4.12 per 100 pounds in 1947, and a range of \$1.24 to \$3.79 in the 1924-46 period. Among the several types of milk products sold by farmers, retail deliveries of milk directly

Table 3 - Production and disposition of milk on farms, United States, 1924-48

Production of milk and milk products										Disposition of milk produced									
Year	Number of milk cows on farms 1/	Production per milk cow 2/		Percent- age of butter- fat in milk	Total production on farms 2/		Butter churned on farms		Milk fed or consumed on farms where produced				Milk sold or utilized for preparation of dairy products sold from farms						
		Milk	Butter- fat		Milk	Butter- fat	Milk used	Butter made	Fed to calves	Consumed in the farm household	Total used on farms	For farm- churned butter sold	As cream	As milk	Total utilized for milk and cream by farmers 3/				
	Thous.	Pounds	Pounds	Percent	Mill. lb.	Mill. lb.	Thous. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.	Mill. lb.			
1924	21,417	4,167	163.2	3.92	89,240	3,495	13,245	642,803	2,742	11,841	9,562	24,145	3,683	29,366	25,907	6,139			
1925	21,503	4,218	165.1	3.92	90,699	3,551	12,736	618,730	2,784	11,662	9,278	23,724	3,458	30,417	26,830	6,270			
1926	21,312	4,379	171.7	3.92	93,325	3,659	12,734	620,320	2,858	11,506	9,370	23,734	3,364	32,123	27,707	6,397			
1927	21,491	4,491	176.2	3.92	95,172	3,734	12,436	607,245	2,901	11,315	9,214	23,430	3,222	33,356	28,600	6,564			
1928	21,223	4,516	177.3	3.93	95,843	3,762	11,793	577,040	2,944	11,207	8,799	22,950	2,994	32,814	30,367	6,718			
1929	21,618	4,579	179.7	3.92	96,988	3,884	11,046	542,064	3,012	10,932	8,273	22,217	2,773	33,808	33,347	6,843			
1930	22,218	4,508	176.8	3.92	100,158	3,923	10,647	523,285	2,986	11,207	8,150	22,343	2,497	33,974	34,497	6,847			
1931	23,108	4,459	175.0	3.93	103,029	4,045	11,061	544,395	2,997	11,913	8,554	23,464	2,507	35,468	34,614	6,976			
1932	24,105	4,307	169.2	3.93	103,810	4,079	11,820	581,450	2,859	12,507	9,180	24,546	2,640	36,095	33,501	7,028			
1933	25,062	4,180	164.2	3.93	104,762	4,114	11,798	579,845	2,878	12,784	9,293	24,955	2,505	36,524	33,705	7,073			
1934	25,198	4,033	158.7	3.94	101,621	3,999	11,343	558,649	2,688	12,773	9,120	24,581	2,223	33,867	33,869	7,081			
1935	24,187	4,184	165.4	3.95	101,205	4,000	10,931	539,110	2,676	12,410	8,807	23,893	2,124	32,564	35,647	6,977			
1936	23,727	4,316	170.3	3.95	102,410	4,041	10,163	501,900	2,755	12,077	8,256	23,088	1,907	31,904	38,777	6,734			
1937	23,340	4,366	172.5	3.95	101,908	4,025	9,548	472,270	2,724	11,955	7,795	22,474	1,753	30,644	40,470	6,567			
1938	23,215	4,558	180.1	3.95	105,807	4,180	9,173	453,990	2,850	11,950	7,494	22,294	1,679	32,728	42,657	6,449			
1939	23,273	4,539	181.5	3.95	106,792	4,223	8,653	428,689	2,967	12,167	7,102	22,236	1,551	32,987	43,801	6,217			
1940	23,677	4,625	183.6	3.97	109,502	4,348	8,129	402,690	2,994	12,063	6,688	21,745	1,441	33,044	47,170	6,102			
1941	24,312	4,741	188.4	3.97	115,268	4,580	7,967	395,476	3,124	12,020	6,587	21,731	1,380	34,091	52,121	5,945			
1942	25,081	4,740	188.3	3.97	118,884	4,722	7,365	366,370	3,294	11,856	6,127	21,277	1,238	31,322	59,185	5,862			
1943	25,574	4,606	183.1	3.98	117,785	4,682	6,851	341,120	3,276	11,615	5,770	20,661	1,081	30,188	60,116	5,739			
1944	25,775	4,578	182.2	3.98	117,992	4,696	6,608	329,148	3,270	11,685	5,571	20,526	1,037	28,422	64,338	5,669			
1945	25,329	4,797	190.9	3.98	121,504	4,836	6,755	336,990	3,335	11,671	5,680	20,686	1,075	24,288	69,836	5,619			
1946	24,475	4,891	194.5	3.98	119,713	4,760	6,630	333,780	3,255	12,318	5,540	21,113	1,090	21,860	70,591	5,539			
1947	23,825	4,997	198.8	3.98	119,065	4,736	6,268	315,840	3,223	12,295	5,302	20,825	966	20,969	71,127	5,178			
1948 2/	22,935	5,036	200.6	3.98	115,511	4,600	5,928	298,520	3,097	12,306	5,036	20,439	892	19,694	69,550	4,936			

1/ Average number on farms during year, heifers that have not freshened excluded.

2/ Excludes milk sucked by calves and milk produced by cows not on farms.

3/ Approximations based chiefly on population in small towns and rural areas where most families purchase their milk from local farmers.

4/ Revised.

5/ Preliminary.

Table 4 - Farm dairy products: Quantities sold, price and value; value of products consumed in the farm household; and gross farm income from dairy products, United States, 1924-48

Year	Farm butter sold			Cream sold to plants and dealers (as butterfat)			Milk sold to plants and dealers at wholesale			Milk and cream retailed by farmers				Combined sales of butter, cream and milk				Value of milk products consumed in household on farms where produced $\frac{2}{2}$	Gross farm income from dairy products $\frac{3}{3}$
	Quantity sold	Price per lb.	Value of sales	Quantity of butterfat sold	Price per lb. of butterfat	Value of sales	Quantity sold	Price per 100 lb.	Value of sales	Quantity sold, milk equiv.	Price per quart	Value of sales	Milk utilized	Average returns		Value of sales (Receipts from farm market-ings)			
														Per 100 lb. milk	Per lb. butterfat				
	1000 lb.	Ct.	1000 dol.	1000 lb.	Ct.	1000 dol.	Mill. lb.	Dol.	1000 dol.	Mill. qt.	Ct.	1000 dol.	Mill. lb.	Dol.	Ct.	1000 dol.	1000 dol.	1000 dol.	
1924	176,160	39.5	69,607	1,102,700	40.4	445,124	25,907	2.22	573,997	2,858	11.1	316,934	65,095	2.16	55.1	1,405,662	502,766	1,908,428	
1925	165,630	40.5	67,116	1,144,700	42.4	483,821	26,830	2.38	638,137	2,914	11.2	325,651	66,975	2.26	57.7	1,514,725	506,402	2,021,127	
1926	161,960	40.9	66,190	1,207,400	41.6	502,578	27,707	2.38	660,730	2,975	11.3	336,600	69,591	2.25	57.4	1,566,098	497,934	2,064,032	
1927	155,410	41.5	64,529	1,255,010	44.5	559,005	28,600	2.51	717,841	3,053	11.3	343,781	71,742	2.35	59.9	1,685,156	500,138	2,185,294	
1928	144,995	42.6	61,752	1,233,730	46.1	569,341	30,367	2.52	766,410	3,123	11.5	358,224	72,893	2.41	61.3	1,755,727	505,991	2,261,718	
1929	135,045	42.2	56,992	1,271,120	45.2	574,259	33,347	2.53	842,182	3,188	11.5	365,056	76,771	2.39	61.0	1,838,489	485,312	2,323,801	
1930	121,572	36.3	44,119	1,275,870	34.5	440,152	34,497	2.21	764,095	3,189	11.3	359,075	77,815	2.07	52.8	1,607,441	435,403	2,042,844	
1931	122,352	27.2	33,321	1,332,560	24.8	329,863	34,614	1.69	584,488	3,244	10.1	329,063	79,565	1.60	40.7	1,276,735	366,216	1,642,951	
1932	128,672	20.8	26,721	1,356,200	17.9	242,708	33,501	1.28	427,334	3,269	8.9	289,607	79,264	1.24	31.6	986,370	300,060	1,286,430	
1933	122,015	20.1	24,533	1,371,050	18.8	257,549	33,705	1.30	439,179	3,288	8.6	282,945	79,807	1.26	32.1	1,004,206	305,292	1,309,498	
1934	108,542	22.7	24,636	1,272,220	22.7	288,951	33,869	1.55	523,497	3,293	9.4	308,433	77,040	1.49	37.8	1,145,517	352,924	1,498,441	
1935	103,970	26.7	27,766	1,223,560	28.1	343,457	35,647	1.74	620,951	3,243	9.8	318,030	77,312	1.69	42.8	1,310,204	386,026	1,696,230	
1936	93,538	28.8	26,982	1,197,170	32.2	385,997	38,777	1.93	748,218	3,135	10.1	316,685	79,322	1.86	47.1	1,477,882	400,097	1,877,979	
1937	86,332	29.6	25,548	1,151,270	33.3	382,801	40,470	1.97	796,068	3,056	10.5	320,354	79,434	1.92	48.6	1,524,771	406,214	1,930,985	
1938	82,562	26.6	22,001	1,229,860	26.3	322,893	42,657	1.72	733,221	2,997	10.3	309,811	83,513	1.66	42.0	1,387,926	353,452	1,741,378	
1939	76,363	25.0	19,113	1,237,940	23.9	295,456	43,801	1.68	734,703	2,890	10.3	296,250	84,556	1.59	40.3	1,345,522	341,302	1,686,824	
1940	70,779	26.6	18,857	1,250,280	28.0	350,577	47,170	1.82	856,987	2,841	10.3	293,925	87,757	1.73	43.6	1,520,346	358,548	1,878,894	
1941	68,018	30.4	20,685	1,289,860	34.2	441,403	52,121	2.18	1,137,956	2,766	10.8	298,546	93,537	2.03	51.1	1,898,590	404,095	2,302,685	
1942	61,056	35.2	21,515	1,183,860	39.6	468,851	59,185	2.57	1,523,653	2,728	11.8	322,015	97,607	2.39	60.2	2,336,034	460,007	2,796,041	
1943	53,326	43.7	23,319	1,139,910	49.9	568,313	60,116	3.12	1,874,825	2,669	12.8	340,406	97,124	2.89	72.6	2,806,863	538,512	3,345,375	
1944	51,315	43.8	22,463	999,110	50.3	502,767	64,338	3.21	2,064,364	2,639	13.2	348,240	97,466	3.01	75.6	2,937,834	556,274	3,494,108	
1945	53,216	45.3	24,091	919,630	50.3	462,314	69,836	3.19	2,227,690	2,614	13.4	349,285	100,818	3.04	76.4	3,063,380	563,566	3,626,946	
1946	54,496	58.3	31,752	806,780	64.3	518,605	70,591	3.96	2,792,827	2,579	15.2	392,482	98,600	3.79	95.2	3,735,666	713,900	4,449,566	
1947 $\frac{4}{4}$	48,518	63.3	30,727	790,510	71.8	567,682	71,127	4.26	3,027,005	2,408	17.5	421,001	98,240	4.12	103.5	4,046,355	787,281	4,833,636	
1948 $\frac{5}{5}$	44,778	66.8	29,929	742,360	79.7	591,805	69,550	4.86	3,378,318	2,298	18.8	432,934	95,072	4.66	117.1	4,432,986	860,627	5,293,613	

^{1/} Computed from the value of milk, cream and farm butter sold divided by the quantity of milk or butterfat used in the preparation of these products for market.

^{2/} Milk and milk equivalent of cream and farm butter consumed, valued at the average returns for milk utilized in dairy products sold.

^{3/} Value of combined sales, plus value of products consumed in the farm household.

^{4/} Revised.

^{5/} Preliminary.

Table 5 - Production and disposition of milk on farms, by States, 1947 1/

State and Division	Production of milk and milk products					Disposition of milk produced											
	Number of milk cows on farms 2/	Production per milk cow 3/		Percent- age of butter-fat in milk	Total production on farms 3/			Milk fed or consumed on farms where produced				Milk sold or utilized for preparation of dairy products sold from farms					
		Milk	Butter-fat		Milk	Butter-fat	Milk used on farms	Butter churned on farms	Consumed in the farm household		Total used on farms	For farm-churned butter sold	For deliveries to plants and dealers		Total utilized for products sold		
									As milk or cream	As milk			As milk cream	As milk and cream by farmers 4/			
	Thous.	Pounds	Percent	Millib.	Millib.	Millib.	Thous. lb.	Millib.	Millib.	Millib.	Millib.	Millib.	Millib.	Millib.	Millib.	Millib.	
Maine	121	5,270	4.2	538	27	84	4,200	11	76	36	123	48	21	360	86	515	
N. H.	64	5,310	3.9	341	13	11	570	6	28	5	39	6	5	247	44	302	
Vt.	277	5,420	4.1	1,501	62	15	750	30	62	7	99	8	8	1,346	40	1,402	
Mass.	128	6,050	4.0	774	31	9	430	12	49	5	66	4	4	570	130	708	
R. I.	20	6,500	29.4	130	5	30	30	2	6	1	9	-	-	102	19	121	
Conn.	117	5,900	224	6	300	26	300	15	140	4	59	2	2	518	110	631	
N. Y.	1,327	6,190	3.75	8,214	308	110	5,000	230	363	55	64	55	73	7,060	378	7,566	
N. J.	157	6,880	268	3.9	1,080	42	350	17	38	6	61	107	2	910	107	1,019	
Pa.	957	5,730	223	3.9	5,484	214	6,500	126	358	69	553	71	100	4,500	460	4,931	
N. A.	3,168	5,951	229.8	3.86	18,852	728	18,130	449	1,020	188	1,557	196	212	15,413	1,374	17,195	
Ohio	1,042	5,110	210	4.1	5,325	218	90	149	453	68	670	22	483	3,960	190	4,655	
Ind.	753	4,840	206	4.25	3,645	155	51	88	337	41	466	10	450	2,638	81	3,179	
Ill.	1,753	5,200	200	3.85	5,366	207	97	131	493	83	707	14	750	3,695	200	4,599	
Mich.	979	5,710	226	3.95	5,590	221	86	199	411	62	672	24	854	3,920	120	4,918	
Wis.	2,403	6,170	235	3.7	15,307	566	14	493	475	10	978	4	275	13,940	110	14,329	
N.C.	6,209	5,575	220.2	3.88	35,433	1,367	15,200	1,060	2,169	264	3,493	74	2,812	28,153	701	31,740	
Minn.	1,510	5,500	198	3.6	4,845	303	35	216	486	33	755	2	3,403	4,150	105	7,660	
Iowa	1,242	5,250	208	3.8	6,520	248	84	202	542	79	823	15	4,422	1,170	100	5,697	
Mo.	1,941	4,360	187	4.3	4,103	176	190	103	530	175	808	5	800	2,340	140	3,295	
N. Dak.	432	4,540	170	3.75	1,961	74	122	5,400	73	181	117	5	1,473	78	34	3,159	
S. Dak.	375	3,970	151	3.8	1,489	57	56	2,500	57	168	54	279	2	1,068	100	40	1,210
Nebr.	506	4,750	180	3.8	2,404	91	122	5,400	91	272	117	480	5	1,459	370	90	1,924
Kans.	655	4,470	179	4.0	2,838	114	108	105	323	100	528	8	1,252	930	120	2,310	
N.Cal.	5,661	4,898	187.8	3.83	27,190	1,065	717	33,000	867	2,502	675	4,044	42	13,877	9,138	629	23,656
Del.	36	4,940	198	4.0	1,172	47	130	3	13	2	18	1	-	144	15	160	
MD.	219	5,350	214	4.0	1,901	81	22	22	79	13	114	9	13	940	96	1,056	
Va.	442	4,300	183	4.25	1,901	81	324	16,200	57	358	266	681	58	212	835	115	1,220
N. Va.	217	3,900	168	4.3	846	36	152	7,800	26	236	127	389	25	107	230	95	457
N. C.	359	4,260	192	4.5	1,529	69	458	20,000	28	491	382	901	76	24	413	115	628
S. C.	162	3,660	165	4.5	593	27	195	10,200	9	193	164	366	31	10	120	66	227
Ga.	360	3,340	150	4.5	1,202	54	439	23,000	17	307	357	681	82	30	315	94	521
Fla.	1,311	3,800	162	4.25	498	21	29	1,900	5	59	24	88	5	1	326	78	410
S. A.	1,926	4,112	177.6	4.32	7,919	342	1,622	83,830	167	1,736	1,335	3,238	287	397	3,323	674	4,681
Ky.	567	3,960	174	4.4	2,245	99	281	14,400	43	548	260	851	21	380	850	143	1,394
Tenn.	593	3,820	170	4.45	2,265	101	448	23,000	39	455	390	884	58	140	1,100	83	1,381
Ala.	391	3,430	154	4.5	1,341	60	561	30,000	17	382	490	889	71	20	290	71	452
Miss.	180	2,840	128	4.5	1,363	61	353	18,500	15	381	336	732	17	49	505	60	631
Ark.	420	3,110	137	4.4	1,306	57	306	15,700	18	417	283	718	23	210	275	80	588
La.	278	2,390	108	4.5	664	30	99	5,200	7	218	90	315	9	8	267	65	319
Ozla.	860	3,550	153	4.3	2,343	101	188	9,400	56	479	174	709	14	790	685	145	1,634
Tex.	1,270	3,110	137	4.4	3,950	174	644	33,000	59	1,061	521	1,641	123	466	1,430	290	2,309
S. O.	4,659	3,322	146.6	4.41	15,477	683	2,880	119,200	254	3,941	2,544	6,739	336	2,063	5,402	937	8,736
Mont.	130	4,880	190	3.90	634	25	41	1,900	24	75	36	135	5	300	135	59	499
Idaho	208	6,110	238	3.9	1,271	50	24	1,150	43	96	22	161	2	163	900	45	1,110
Wyo.	58	5,120	192	3.75	297	11	18	800	10	32	17	238	1	110	103	24	238
Colo.	200	5,000	190	3.8	1,000	38	47	2,100	39	115	43	197	4	345	389	65	803
N. Mex.	58	4,100	172	4.2	238	10	16	800	5	47	14	66	2	60	75	35	172
Ariz.	104	5,900	224	3.8	260	10	11	500	7	19	10	36	1	10	177	36	224
Utah	106	6,200	232	3.75	557	25	17	750	20	73	15	108	2	70	458	32	549
Neu.	17	5,870	217	3.7	100	86	66	3,200	4	7	3	14	1	25	44	16	86
Wash.	319	6,450	271	4.2	2,058	86	66	3,200	74	157	60	291	6	250	1,376	135	1,767
Oreg.	228	5,890	265	4.5	1,343	60	38	2,000	46	132	36	217	2	207	848	69	1,126
Calif.	834	7,190	280	3.9	5,996	234	45	2,100	156	174	40	370	5	68	5,213	340	5,626
WEST	2,202	6,292	251.1	3.99	13,854	553	327	15,480	431	927	296	1,654	31	1,608	9,698	863	12,200
U. S.	23,825	4,997	198.8	3.98	119,065	4,736	6,268	315,840	3,228	12,295	5,302	20,825	966	20,969	71,127	5,178	98,240

1/ Revised. 2/ Average number on farms during year. Heifers that have not freshened excluded. 3/ Excludes milk sucked by calves and milk produced by cows not on farms.

4/ Approximations based chiefly on population in small towns and rural areas where most families purchase their milk from local farmers.

Table 6 - Farm dairy products Quantities sold, price and value; value of products consumed in the farm household; and gross farm income from dairy products, by States, 1947-1/

State and Division	Farm butter sold			Cream sold to plants and dealers (as butterfat)			Milk sold to plants and dealers at wholesale			Milk and cream retailed by farmers			Combined sales of butter, cream and milk			Value of milk products consumed in household on farms where produced 3/			Gross farm income from dairy products 4/
	Quantity sold	Price per lb.	Value of sales	Quantity sold	Price per lb. of butterfat	Value of sales	Quantity sold	Price per 100 lb.	Value of sales	Quantity of milk equiv.	Price per quart	Value of sales	Milk utilized	Average returns 2/	Value of sales from farm market- 1000 dol.	Value of receipts from farm market- 1000 dol.	Value of products consumed in household on farms where produced 3/ 1000 dol.		
Maine	2,400	70	1,680	890	74	659	160	4.67	16,812	40	18.1	7,200	515	5.12	26,391	26,391	5,734	32,125	
N. H.	300	74	222	200	77	154	247	5.46	16,992	20	19.3	3,860	702	5.70	11,228	11,228	1,881	19,109	
Vt.	430	72	310	350	72	252	1,346	5.45	69,590	19	18.7	3,553	1,402	4.97	69,675	69,675	3,493	73,104	
Mass.	180	73	131	160	76	122	1,370	5.45	31,085	60	19.6	11,760	708	6.08	43,078	43,078	3,493	46,561	
R. I.	8	73	6	102	76	77	102	5.69	5,804	9	19.6	1,764	121	6.26	7,574	7,574	8,012	15,586	
Conn.	70	73	51	40	76	30	518	5.71	29,578	51	19.7	10,047	10,047	6.29	39,706	39,706	2,768	42,474	
N. Y.	2,500	71	1,775	2,720	71	1,931	7,060	4.54	320,524	176	17.8	31,328	7,566	4.70	355,558	355,558	19,646	375,206	
N. J.	90	73	66	3,820	73	2,789	4,300	5.37	48,867	50	19.4	9,700	4,931	5.12	55,553	55,553	2,530	57,083	
Pa.	3,300	72	2,376	3,820	73	2,789	4,300	5.37	206,630	214	19.0	10,660	4,931	5.12	252,655	252,655	21,562	274,217	
N.A.	9,278	71.3	6,517	8,180	72.7	5,947	15,413	4.79	738,022	639	18.8	119,912	17,195	5.06	870,498	870,498	61,571	932,069	
Ohio	1,100	72	792	19,660	70	13,762	3,960	4.16	172,655	88	17.7	15,576	14,655	4.36	202,786	202,786	22,716	225,502	
Ind.	500	71	355	18,810	70	13,167	2,340	4.25	112,115	38	16.8	6,344	3,179	4.15	132,021	132,021	15,687	147,708	
Ill.	650	72	468	28,420	68	19,346	3,695	3.88	143,162	93	15.4	14,322	4,918	3.81	177,482	177,482	21,946	199,428	
Mich.	1,100	74	814	32,880	76	24,969	2,980	3.87	167,880	52	16.5	9,200	4,918	4.12	20,427	20,427	19,488	39,916	
Wis.	180	75	135	10,120	72.0	7,294	13,940	3.92	490,888	51	16.0	8,160	14,359	3.54	506,877	506,877	17,169	524,046	
N.C.	3,530	72.6	2,564	109,890	72.0	79,118	28,153	3.85	1,086,209	326	16.5	53,682	31,740	3.95	99.2	1,221,593	97,006	1,318,599	
Minn.	200	74	148	119,790	77	92,238	4,150	3.42	141,930	49	15.1	7,399	7,660	3.15	24,641	24,641	25,789	51,430	
Iowa	1,400	74	1,032	161,850	77	124,624	1,170	3.97	46,449	47	15.4	7,238	5,697	3.13	18,489	18,489	19,437	37,926	
Mo.	750	67	502	33,040	66	21,806	2,340	4.08	95,472	65	15.1	9,815	3,295	3.87	12,595	12,595	27,284	154,879	
N. Dak.	200	72	144	53,760	71	38,170	78	3.79	2,956	16	15.1	2,416	1,590	2.75	73	43,686	8,195	51,881	
S. Dak.	100	72	72	38,880	70	27,216	100	3.97	3,970	19	15.5	2,945	1,210	2.83	74	34,203	6,283	40,486	
Nebr.	200	72	144	53,760	68	36,210	370	3.92	14,504	42	15.7	6,582	1,924	2.99	79	57,452	11,631	69,083	
Kans.	350	71	248	47,580	66	31,403	590	3.82	25,526	56	16.0	8,960	2,310	3.30	82	76,137	13,959	90,096	
N.C.W.	1,940	70.2	1,362	508,190	73.1	371,667	9,118	3.73	340,807	294	15.4	45,367	23,686	3.21	83.8	759,203	103,137	862,340	
Del.	60	68	41	4,490	68	3,033	144	4.83	6,955	7	18.6	1,302	160	5.19	130	8,298	778	9,076	
Md.	2,900	58	1,682	8,480	66	5,542	940	5.28	49,632	45	18.8	8,460	1,058	4.55	139	58,689	5,106	63,795	
N. Va.	1,300	63	819	4,390	72	3,161	230	4.77	10,971	53	17.0	9,010	1,220	4.78	112	58,285	29,827	88,112	
N.S.	4,000	56	2,240	1,000	58	580	413	5.14	21,228	53	18.6	9,858	638	5.40	120	33,906	47,142	81,048	
S.C.	1,600	60	960	240	59	140	120	5.46	6,552	31	18.7	5,797	227	5.97	133	13,557	21,313	34,870	
Gea.	4,300	56	2,408	1,260	62	725	315	5.61	17,612	44	18.7	8,228	521	5.57	124	29,033	36,985	66,018	
Tla.	270	67	181	40	62	25	326	6.63	21,614	36	21.0	7,560	410	7.17	169	29,380	5,951	35,331	
S.A.	14,830	58.0	8,595	16,070	64.8	10,414	3,323	5.37	176,875	313	18.5	57,827	4,681	5.42	125.5	253,711	165,034	418,745	
Ky.	1,100	62	682	15,890	66	10,461	850	4.12	35,020	67	16.5	11,055	1,394	4.10	93	57,218	33,128	90,346	
Tenn.	3,000	53	1,590	5,850	66	3,861	1,100	4.65	51,150	39	15.8	6,162	1,381	4.54	102	62,763	38,363	101,126	
Ala.	1,900	61	1,159	2,110	62	1,414	505	4.60	15,863	33	17.7	5,841	1,452	5.35	119	24,201	46,652	70,853	
Miss.	900	61	549	2,110	67	1,414	505	4.60	23,230	28	17.7	4,956	631	4.78	106	30,149	34,273	64,422	
Ark.	1,200	63	756	8,610	62	5,310	275	4.87	11,392	37	15.9	5,833	583	4.34	99	25,541	30,380	55,921	
La.	450	64	288	3,440	62	2,111	267	5.71	15,246	20	17.8	3,540	349	6.04	134	21,085	18,603	39,688	
Ola.	700	69	483	32,630	64	20,865	685	4.16	35,496	67	16.7	11,489	1,634	5.74	87	61,091	28,422	89,513	
Tex.	6,300	66	4,158	19,340	64	12,378	1,430	5.90	84,650	135	18.3	24,705	2,305	5.19	118	119,891	82,106	201,997	
S.O.	17,450	60.1	10,482	85,570	64.6	55,239	5,402	4.83	261,047	436	17.2	75,131	8,738	4.60	104.3	401,699	307,927	709,626	
Mont.	220	73	161	11,490	71	8,158	135	3.83	5,170	27	16.4	4,428	499	3.59	92	17,917	3,985	21,902	
Idaho	90	75	68	6,280	71	4,459	900	3.58	3,520	21	15.8	3,318	1,110	3.61	93	40,065	4,260	44,325	
Wyo.	60	74	44	4,090	71	2,904	103	4.05	4,472	11	16.2	1,782	238	3.74	100	8,902	1,833	10,735	
Colo.	190	72	137	12,560	70	8,792	389	4.45	17,310	30	16.4	4,920	603	3.88	102	31,159	6,130	37,289	
N. Mex.	80	71	57	2,420	67	1,821	177	5.67	10,052	16	18.9	3,024	172	5.21	102	8,954	3,178	12,132	
Ariz.	50	72	36	3,800	72	2,714	177	4.94	8,744	17	18.1	3,077	224	5.42	113	12,118	1,572	13,690	
Utah	30	77	23	2,610	72	1,819	438	3.78	16,556	18	15.4	2,772	549	3.87	102	21,269	3,106	24,375	
Neu.	80	78	62	3,920	78	2,980	44	4.22	1,857	7	15.8	1,106	1,767	4.51	116	3,704	4,431	8,135	
Wash.	300	75	225	10,320	74	7,637	1,376	4.44	61,094	63	17.7	11,151	1,767	4.53	108	80,107	9,830	89,937	
Oreg.	130	76	99	8,960	76	6,810	486	4.86	23,423	32	17.8	5,696	1,126	4.78	106	53,418	8,030	61,448	
Calif.	250	75	188	2,620	75	1,965	5,213	4.44	23,457	158	17.6	27,082	5,626	4.65	119	261,418	9,951	271,369	
WEST	1,490	74.3	1,107	62,690	72.2	45,217	9,698	4.37	424,045	400	17.3	69,082	12,200	4.42	110.8	539,451	52,606	592,057	
U. S.	48,518	63.3	30,727	790,510	71.8	567,622	71,127	4.26	3,027,005	2,408	17.5	421,001	98,240	4.12	103.5	4,046,355	787,881	4,834,236	

1/ Revised. 2/ Computed from the value of milk, cream and farm butter sold divided by the quantity of milk or butterfat used in the preparation of these products for market.

3/ Milk and milk equivalent of cream and farm butter consumed, valued at the average returns for milk utilized in dairy products sold.

4/ Value of combined sales, plus value of products consumed in the farm household.

Table 7 - Production and disposition of milk on farms, by States, 1945 1/

Production of milk and milk products										Disposition of milk produced									
State and Division	Number of milk cows on farms on 2/	Production per milk cow 3/		Percent- age of butter- fat in milk	Total production on farms 3/			Milk fed or consumed on farms where produced				Milk sold or utilized for preparation of dairy products sold from farms							
		Milk	Butter- fat		Milk	Butter- fat	Milk used	Butter made	Fed to calves	Consumed in the farm household		Total used on farms	For farm- household butter sold	For deliv- eries to plants and dealers As cream milk	Total for retail sales of milk and cream by farmers 4/				
										As milk or cream	As farm butter								
Thons.	Pounds	Percent	Mill.b.	Mill.b.	Mill.b.	Thous.lb.	Mill.b.	Mill.b.	As milk or cream	As farm butter	Mill.b.	Mill.b.	Mill.b.	Mill.b.	Mill.b.	Mill.b.			
Maine	119	5,100	4.2	607	25	84	4,200	10	74	38	122	46	15	342	82	485			
N. H.	62	5,330	3.9	330	13	12	590	6	27	6	39	6	4	238	43	291			
Vt.	269	5,400	4.1	751	60	14	700	28	463	6	95	8	6	1,305	39	1,358			
Mass.	124	6,060	4.0	751	30	8	390	13	49	5	67	3	3	550	128	684			
R. I.	20	6,600	3.9	132	5	1	30	2	6	1	9	1	-	104	19	123			
Conn.	111	5,980	3.8	664	25	6	300	15	41	4	60	2	1	500	101	604			
N. Y.	1,120	6,100	3.75	8,052	302	99	4,500	234	375	48	657	51	65	6,920	359	7,395			
N. J.	156	6,890	3.9	1,075	42	8	350	16	38	6	60	2	-	914	99	1,015			
Pa.	954	5,740	3.9	5,476	214	129	6,000	120	358	67	545	62	92	4,350	427	4,931			
D. C.	3,135	5,914	3.86	18,540	716	361	17,060	444	1,023	181	1,654	180	136	15,223	1,297	16,886			
Ohio	1,023	5,190	4.1	5,309	218	90	4,500	143	451	68	662	22	443	4,000	182	4,647			
Ind.	1,730	4,860	4.25	3,548	151	45	2,300	82	352	37	471	8	404	2,590	75	3,077			
Ill.	977	5,290	3.85	5,168	199	90	4,200	114	511	77	702	13	692	3,571	130	4,466			
Mich.	952	5,670	3.95	5,398	213	80	3,700	184	409	58	651	22	745	3,880	100	4,747			
Wis.	2,323	6,420	3.7	14,914	592	12	540	1,015	2,203	248	3,166	69	320	13,510	100	13,934			
N. C.	6,095	5,718	3.68	34,337	1,333	317	15,240	1,015	2,203	248	3,166	69	320	13,510	100	13,934			
Minn.	1,434	5,570	3.6	7,987	288	30	1,300	224	494	28	746	2	3,374	3,775	90	7,241			
Iowa	1,147	5,220	3.8	5,987	228	84	3,700	180	540	79	799	5	3,976	1,110	97	5,188			
Mo.	916	4,500	4.3	4,122	177	186	9,300	103	531	172	806	14	816	2,350	136	3,316			
N. Dak.	392	4,590	3.75	1,784	67	113	5,000	68	168	109	345	4	1,334	70	31	1,439			
S. Dak.	349	4,060	3.8	1,417	54	59	2,600	52	168	57	277	2	1,005	95	38	1,140			
Nebr.	478	4,720	3.8	2,256	86	127	5,600	83	272	122	477	5	1,329	360	85	1,779			
Kans.	599	4,500	4.0	2,696	108	112	5,200	105	315	104	524	5	1,205	849	110	2,112			
N. C.	5,315	4,939	3.84	26,249	1,068	711	32,700	815	2,488	671	3,974	40	13,039	8,609	587	22,123			
D. C.	35	5,040	4.0	176	7	13	120	3	13	2	13	1	-	142	15	158			
Del.	220	5,300	4.0	1,166	47	19	900	22	77	11	110	8	13	937	98	1,056			
Pa.	447	4,460	4.25	1,994	65	318	15,900	60	361	262	683	56	215	930	110	1,311			
N. Y.	213	3,970	4.3	846	36	146	7,500	28	239	123	390	23	102	236	95	1,456			
N. C.	356	4,310	4.5	1,541	69	430	22,500	31	494	359	884	71	22	464	100	667			
Ga.	159	3,710	4.5	1,590	27	139	9,900	9	196	160	365	29	10	120	66	225			
Okla.	351	3,420	4.5	1,200	54	411	21,600	17	323	335	675	76	29	325	95	525			
Fla.	133	3,450	4.25	512	22	27	1,400	5	60	22	87	5	1	341	78	423			
S. C.	1,914	4,193	4.32	8,025	347	1,543	79,720	175	1,763	1,274	3,212	269	392	3,495	657	4,813			
Ky.	565	3,860	4.4	2,181	96	261	13,400	39	533	214	815	18	371	840	137	1,366			
Tenn.	583	3,790	4.45	2,210	98	398	20,400	35	466	347	848	51	1,090	848	81	1,362			
Ala.	374	3,500	4.5	1,309	59	539	28,800	16	387	470	873	69	17	280	70	436			
Miss.	458	2,960	4.3	1,356	61	336	17,600	16	373	321	710	15	48	520	63	606			
Ark.	397	3,300	4.4	1,310	58	296	15,200	20	401	273	694	23	211	300	82	616			
La.	260	2,500	4.5	1,650	29	96	8,000	7	225	88	320	8	7	252	63	330			
Okla.	609	3,590	4.3	2,162	93	172	8,600	54	461	161	676	11	710	630	135	1,486			
Tex.	1,183	3,170	4.4	3,750	155	585	30,000	52	1,050	476	1,578	109	408	1,370	285	2,172			
S. C.	4,429	3,371	4.41	14,928	659	2,683	139,000	239	3,196	2,379	6,514	304	1,912	5,282	916	8,414			
Mont.	122	4,990	3.90	609	24	42	1,950	23	74	37	134	5	287	125	58	475			
Idaho	203	6,120	3.9	1,242	48	22	1,050	43	99	20	162	2	147	889	42	1,080			
Wyo.	55	5,150	3.75	283	11	18	800	10	32	17	59	1	100	100	23	224			
Colo.	194	4,980	3.8	966	37	43	1,900	39	115	39	193	4	332	374	63	773			
N. Mex.	61	3,900	4.2	238	10	14	1,000	5	45	13	63	1	60	79	35	145			
Ariz.	45	5,600	3.8	252	10	10	450	7	19	9	35	2	10	171	35	217			
Utah	104	6,360	3.75	661	25	15	670	20	73	13	106	2	71	447	35	555			
Nebr.	310	5,000	3.7	102	4	4	1,800	4	7	3	14	1	25	46	16	888			
Wash.	310	5,520	4.2	2,021	85	64	3,100	73	157	58	288	6	238	1,360	129	1,733			
Oreg.	222	5,790	4.5	1,285	58	38	2,000	46	132	36	214	2	218	765	66	1,071			
Calif.	804	7,180	3.9	5,773	225	43	2,000	139	174	38	351	5	73	5,014	330	5,422			
WASH.	2,137	6,285	4.00	13,432	537	313	14,800	409	927	283	1,619	30	1,561	9,390	832	11,813			
U. S.	22,935	5,936	3.98	115,511	4,600	5,928	298,520	3,097	12,306	5,036	20,439	892	19,694	69,590	4,936	95,072			

1/ Preliminary. 2/ Average number on farms during year. Heifers that have not freshened excluded. 3/ Excludes milk sucked by calves and milk produced by cows not on farms. 4/ Approximations based chiefly on population in small towns and rural areas where most families purchase their milk from local farmers.

Table 8 - Farm dairy products: Quantities sold, price and value; value of products consumed in the farm household; and gross farm income from dairy products, by States, 1946 1/

State and Division	Farm butter sold			Cream sold to plants and dealers (as butterfat)			Milk sold to plants and dealers at wholesale			Milk and cream retailed by farmers			Combined sales of butter, cream and milk				Value of milk products consumed in household on farms where produced 3/4	Gross farm income from dairy products 4/
	Quantity sold 1000 lb.	Price per lb.	Value of sales 1000 dol.	Quantity sold 1000 lb.	Price per lb. of butterfat	Value of sales 1000 dol.	Quantity sold Mil. lb.	Price per 100 lb.	Value of sales 1000 dol.	Quantity sold Mil. qt.	Price per quart	Value of sales 1000 dol.	Milk utilized Mil. lb.	Average returns 2/	Value of sales (Receipts from farm market) 1000 dol.			
															Per 100 lb. milk fat	butterfat		
Maine	2,300	79	1,817	630	83	523	342	5.99	19,118	38	19.9	7,562	485	5.98	142	29,020	6,698	35,718
N. H.	300	80	240	150	85	136	238	5.99	14,256	20	21.4	4,280	291	6.50	167	18,512	2,145	21,657
Vt.	400	80	320	260	86	224	1,305	5.69	74,254	18	20.3	3,654	1,358	5.78	141	78,452	3,873	82,325
Mesa.	150	82	123	120	88	106	580	6.17	33,935	60	21.5	12,900	684	6.88	172	47,064	3,715	50,779
R. I.	8	83	7	7			104	6.47	6,723	9	21.5	1,935	123	7.05	181	8,671	144	9,165
Conn.	70	84	59	40	89	36	500	6.37	31,850	47	21.2	9,964	604	6.94	183	41,909	3,123	45,032
N. Y.	2,300	78	1,794	2,420	77	1,865	6,920	5.29	366,068	167	18.4	30,728	7,395	5.42	145	400,453	22,927	423,380
N. J.	90	76	68	68			914	5.98	54,575	46	21.0	9,666	1,015	6.34	163	64,385	2,790	67,175
Pa.	2,900	78	2,262	3,510	80	2,808	4,350	5.33	231,855	199	20.3	40,397	4,931	5.62	144	277,522	23,885	301,207
N.A.	8,518	78.5	6,690	7,140	79.8	5,696	15,223	5.47	832,722	604	20.0	121,080	16,826	5.72	148.2	956,128	69,050	1,035,838
Ohio	1,100	77	847	18,010	75	13,522	4,000	5.06	202,400	85	19.5	16,575	7,241	5.02	122	233,344	26,054	259,398
Ind.	430	77	331	16,890	75	12,668	2,590	4.85	125,615	35	18.4	6,460	3,077	4.71	111	145,054	18,322	163,376
Ill.	600	77	462	26,230	74	19,410	3,571	4.44	158,552	88	17.0	14,960	4,466	4.33	112	193,384	25,460	218,844
Mich.	1,000	79	790	28,680	83	23,804	3,880	4.79	185,252	47	17.8	8,366	4,747	4.61	117	218,812	21,529	240,341
Wis.	160	80	128	11,780	86	10,131	13,510	4.15	560,665	47	16.8	7,896	13,934	4.15	112	578,820	20,252	599,072
N.C.	3,290	77.8	2,558	101,610	78.3	79,535	27,551	4.48	1,233,084	302	18.0	54,237	30,871	4.44	114.4	1,359,411	111,617	1,481,031
Minn.	200	82	162	118,760	87	103,321	3,775	3.98	150,245	42	16.5	6,930	7,241	3.60	100	160,578	18,792	179,370
Iowa	81	86	69	145,520	86	125,147	1,110	4.49	49,539	45	17.0	7,650	5,188	3.52	93	182,822	21,769	204,591
Mo.	720	71	511	33,700	72	24,264	2,350	4.71	110,685	63	16.4	10,332	3,316	4.40	102	145,792	30,932	176,724
N. Dak.	170	81	136	13,690	80	10,952	70	4.37	3,059	14	16.6	2,324	1,439	3.09	82	44,471	8,559	53,030
S. Dak.	110	81	89	36,580	79	28,892	95	4.48	4,256	18	17.1	3,078	1,140	3.19	84	46,321	7,178	53,499
Nebr.	220	79	174	48,510	75	36,382	360	4.49	16,184	40	17.0	6,800	1,779	3.35	88	59,520	13,199	72,719
Kans.	370	77	285	45,790	75	34,342	849	4.47	37,950	51	17.8	9,078	2,172	3.76	94	81,655	15,754	97,409
N.C.W.	1,920	76.2	1,463	477,550	81.9	391,306	8,609	4.32	372,198	273	16.9	46,192	22,275	3.64	94.8	811,159	116,203	927,362
Del.	50	69	34	142	5.39	7,654	142	5.39	7,654	7	19.8	1,386	158	5.74	144	9,074	861	9,935
Pa.	350	68	238	490	72	353	937	5.79	54,252	46	19.3	8,878	1,056	6.03	151	63,721	5,306	69,027
N. Va.	2,800	57	1,596	8,600	66	5,676	930	5.54	51,822	51	18.4	9,384	1,311	5.20	122	68,178	32,396	100,574
W. Va.	1,200	62	744	4,180	74	3,093	236	5.28	12,161	14	18.6	8,184	456	5.37	128	24,482	15,439	43,921
N. M. Va.	3,700	59	2,185	910	62	584	464	5.53	29,559	47	20.2	9,494	657	5.77	125	37,900	49,218	87,118
S. C.	1,500	62	930	420	61	256	424	5.91	7,092	31	19.9	6,169	225	6.42	143	14,447	22,855	37,302
Ge.	4,000	57	2,280	1,210	60	726	325	5.99	19,468	44	20.4	8,976	525	5.99	133	31,450	39,444	70,864
Fla.	280	71	170	40	69	28	341	7.15	24,382	36	22.2	7,932	425	7.66	180	32,572	6,281	38,853
S.A.	13,840	59.1	8,175	15,850	67.5	10,696	3,495	5.79	202,490	306	19.8	60,463	4,813	5.86	135.6	281,824	175,770	457,594
Ky.	940	64	602	15,470	71	10,984	840	4.72	39,648	64	17.5	11,200	1,366	4.57	104	62,434	35,463	97,897
Tenn.	2,600	55	1,430	5,850	71	4,154	1,090	5.16	56,244	38	16.9	6,422	1,362	5.01	113	68,250	40,731	108,981
Ala.	3,700	64	1,998	7,110	68	4,483	280	6.02	16,856	33	18.3	6,039	436	5.82	129	25,376	49,877	75,253
Miss.	800	62	496	2,070	71	1,470	520	5.07	26,364	29	18.7	5,423	646	5.22	116	33,753	36,227	69,980
Ark.	1,200	66	792	8,650	71	6,142	300	5.46	16,380	38	17.5	6,650	616	4.86	110	20,964	32,756	62,720
La.	400	66	264	3,300	66	2,166	252	5.26	15,775	29	19.7	5,753	330	6.65	148	21,950	20,814	42,764
Okla.	550	75	412	29,320	71	20,817	630	4.71	29,673	63	17.8	11,214	1,486	4.48	97	62,116	26,000	88,116
Tex.	5,600	70	3,920	16,930	70	11,851	1,370	6.08	83,296	133	19.3	26,467	4,813	5.78	131	125,534	88,203	213,737
S.S.C.	15,790	62.8	9,914	79,300	70.7	56,099	5,282	5.38	284,236	427	18.5	79,128	8,414	5.10	115.6	429,377	330,071	759,448
Mont.	240	78	187	10,990	78	8,572	125	4.25	5,312	27	17.7	4,779	475	3.97	102	18,850	4,407	23,257
Idaho	90	81	73	5,660	77	4,358	889	4.15	36,894	20	16.9	3,360	1,080	4.14	106	44,705	4,927	49,632
Wyo.	60	83	50	3,720	80	2,976	100	4.80	4,800	11	18.8	2,068	224	4.28	114	5,194	2,097	11,691
Colo.	170	80	136	12,080	77	9,302	374	4.80	17,952	29	17.3	5,017	773	4.19	110	32,407	6,483	38,860
N. Mex.	70	75	52	2,420	77	1,863	79	6.25	4,938	16	20.5	3,280	175	5.79	138	10,133	3,562	13,691
Ariz.	50	78	39	380	76	289	171	5.05	8,636	16	19.7	3,152	217	5.58	147	12,116	1,562	13,678
Utah	70	81	57	2,650	79	2,094	447	4.38	19,579	16	16.0	2,560	555	4.38	123	24,290	3,767	28,057
Nev.	10	81	8	920	82	754	46	4.43	2,018	7	16.8	1,176	88	4.54	117	2,992	454	4,446
Nash.	300	78	234	9,830	83	8,061	1,360	4.94	67,184	60	19.1	11,460	1,733	5.02	120	86,339	10,733	97,072
Oreg.	130	82	107	3,440	83	2,835	785	5.27	41,370	31	19.5	6,045	1,071	5.17	115	45,357	6,045	51,402
Calif.	210	81	170	2,820	84	2,369	5,014	4.69	245,185	153	18.9	28,917	5,422	5.10	131	276,641	10,812	287,453
WASH.	1,420	79.5	1,129	60,910	79.6	48,473	9,390	4.83	453,568	366	18.6	71,834	11,813	4.87	121.8	575,024	57,315	632,340
U. S.	44,778	66.8	29,929	742,360	79.7	591,805	69,550	4.86	3,378,318	2,298	18.8	432,934	95,072	4.66	117.1	4,432,986	860,627	5,293,613

1/ Preliminary. 2/ Computed from the value of milk, cream and farm butter sold divided by the quantity of milk or butterfat used in the preparation of these products for market.

3/ Milk and milk equivalent of cream and farm butter consumed, valued at the average returns for milk utilized in dairy products sold.

4/ Value of combined sales, plus value of products consumed in the farm household.

OFFICIAL BUSINESS

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to consumers afforded the highest level of unit returns per 100 pounds of milk. Returns from this type of sale in 1948 averaged \$8.77 per 100 pounds for the country as a whole. This compares with \$4.86 per hundredweight for whole milk sold to plants and dealers, \$3.36 for the farm-churned butter made from 100 pounds of milk, and \$3.01 for the cream skimmed from 100 pounds of milk. Considerably different costs are involved in the several types of milk products sold by farmers, especially for retail milk where bottling and delivery expenses are involved. The average returns for butter and cream also include no allowances for the value of skim milk and buttermilk retained on farms for food or feeding purposes. Among States, the 1948 average returns to farmers per 100 pounds of milk in products sold varied from a low of \$3.09 in North Dakota to a high of \$7.66 in Florida. The level of average unit returns is determined both by the type of milk product marketed and by the relative level of prices for dairy products in the particular area. Highest average returns are usually found along the East Coast and in the South where milk production costs are high, where much of the whole milk sold is used for fluid distribution as milk and cream, and where a considerable volume is retailed by farmers themselves. Average returns are usually lowest in the western Corn Belt and Great Plain States where feed costs are relatively low, where sour cream is the major type of milk product sold by farmers, and where manufactured dairy products must be shipped considerable distances to consumer markets.

SUPPLY AND UTILIZATION OF MILK, 1948

The total supply of milk in the United States in 1948, including production on farms and a small allowance for production by cows kept in towns and villages, was 118.3 billion pounds. Of this total, 52.1 billion pounds or 44 percent was used in the production of manufactured dairy products in factories. Some 24.3 billion pounds were used for creamery butter, 10.9 billion pounds for all types of cheese, 8.3 billion pounds for evaporated and condensed whole milk products, 6.8 billion pounds of ice cream and other frozen dairy foods, and 1.3 billion pounds for dry whole milk. The volume of milk used in these manufactured products is computed on a fat equivalent basis. Except for 1946, the total amount of milk used in factory products in 1948 was the smallest since 1939, due chiefly to the marked decline in production of creamery butter since the beginning of the war.

Some 44.5 billion pounds of milk were consumed as milk and cream in cities and villages, the smallest volume since 1944. An additional 12.3 billion pounds were consumed as milk and cream on farms where produced. Fluid consumption in cities and villages represented 38 percent of the total milk supply, and fluid consumption on farms another 10 percent. The amount of milk used for making farm-churned butter in 1948 totaled 5.9 billion pounds. An additional 3.1 billion pounds of whole milk was used on farms for feeding calves or other livestock. Detailed figures on the production and utilization of milk in the United States in the 1938-48 period are shown in table 2.